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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,663	10/01/2003	Didier Doyen	PF0202129	8970

7590 03/21/2006

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EXAMINER	
PHAM, TAMMY T	

ART UNIT	PAPER NUMBER
2629	

DATE MAILED: 03/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/676,663	DOYEN ET AL.	
	Examiner	Art Unit	
	Tammy Pham	2675	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 November 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-5* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-5* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *19 November 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Frazier (US Patent No: 5,081,523).

As for claim 1, Frazier teaches of a method of processing a sequence of video images to be displayed with a cathode ray tube display device, which method is intended to correct the distortions created by the instability of the high voltage circuit of the cathode ray tube during the displaying of the images, the method comprises:

characterizing the distortions created by the cathode ray tube, and

for each image of the sequence to be displayed, calculating the distortions affecting it and generating a precorrected image comprising the inverse distortions in column 5, lines 9-14. The section teaches that the apparatus of Frazier is able to modulates/correct the intensity/distortion.

As for claim 2, Frazier teaches of a method according to claim 1, wherein one of the distortions affecting the displaying of a current image being a global zoom varying as a function of the luminous intensity of the current image the method comprises:

determining the global zoom created by the cathode ray tube as a function of the luminous intensity of the current image and of that of the previous images in column 6, lines 60-65; and

for each image of the sequence to be displayed, calculating the global zoom affecting the current image and generating a precorrected image by applying the inverse of the global zoom to the current image in column 12, lines 29-50. Where the global zoom will be treated as the intensity and in correcting the image will be treated as applying or calculating the inverse global zoom.

As for claim 3, Frazier teaches of a method according to claim 1, wherein the distortions affecting the displaying of a current image being a global zoom varying as a function of the luminous intensity of the current image and of that of the images which precede it in the sequence to be displayed and a local zoom affecting each line of the current image and varying as a function of the intensity of the line considered and of those of the lines which precede it in the current image, the method comprises:

characterizing the global zoom created by the cathode ray tube as a function of the luminous intensity of the current image and of that of the previous images;

characterizing the local zoom created by the cathode ray tube as a function of the luminous intensity of the line considered and of that of the previous lines in the current image in column 6, lines 65-70; and

calculating the global zoom affecting the current image and the local zooms affecting each of its lines and generating a precorrected image by applying, to the whole image, the

inverse of the global zoom and, to each of its lines, the inverse of the local zoom calculated for the line considered in column 12, lines 29-50 as explained in claim 2. The apparatus corrects all the intensity, which encompasses the global and local zoom.

As for claim 4, Frazier teaches of a method according to claim 1, wherein the distortions affecting the displaying of a current image being a local zoom affecting each line of the current image and varying as a function of the beam current necessary for displaying the relevant line and the lines which precede it in the current image, the method comprises:

characterizing the local zoom created by the cathode ray tube as a function of the beam current of the cathode ray tube for the relevant line and for the preceding lines in the current image in column 6, lines 65-70; and

calculating the local zooms affecting each of the lines of the current image from measurements of beam current of each of them and generating a precorrected image by applying to each of the lines of the current image the inverse of the local zoom calculated from the relevant line in column 12, lines 29-50 as explained in claim 2.

As for claim 5, Frazier teaches of a method according to claim 1, wherein the method comprises:

characterizing the distortions created by the cathode ray tube for reference images as a function of the tube anode voltages necessary for the display of these images; and

calculating the distortions affecting the current image from measurements of anode voltages necessary for the display of this image and generating a precorrected image comprising

the inverse distortions in column 12, lines 29-50 as explained in claim 2. Where the intensity is indirectly related to the voltage so in correcting the intensity, one is correcting the voltage.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy Pham whose telephone number is (571) 272-7773. The examiner can normally be reached on 8:00-5:30 (Mon-Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tammy Pham
March 20, 2006

SUMATI LEFKOWITZ
SUPERVISORY PATENT EXAMINER

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Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97** (Use several sheets if necessary)	ATTY. DOCKET NO. PF020129	SERIAL NO.
	APPLICANTS Didier Doyen et al.	
	FILING DATE **Herewith**	GROUP

U.S. PATENT DOCUMENTS

EXAMINE INITIAL		DOCUMENT NUMBER	ISSUE DATE	APPLICANT/PATENTEE	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

OTHER INFORMATION (Including Author, Title, Pub.Date, Pertinent Pages, Country, Etc.)

~~P~~	AR		Patent Abstracts of Japan; Applicant: Toshiba Ave Corp.; Publication Date: March 10, 1998; Publication No. 10070672; Title Amplitude Correction Circuit; Int Cl. H04N 3/23
	AS		
	AT		

EXAMINER	DATE CONSIDERED
TM	3-14-06

SUBMITTED BY:	REG.NO.:	DATE:
Richard LaPeruta, Jr.	51,252	Oct. 1, 2003

Notice of References Cited	Application/Control No. 10/676,663	Applicant(s)/Patent Under Reexamination DOYEN ET AL.	
	Examiner Tammy Pham	Art Unit 2675	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,081,523	01-1992	Frazier, Gary A.	348/178
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.